

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011020\
 Data File : VX014543.D
 Acq On : 10 Jan 2020 17:31
 Operator : JC/SP
 Sample : L1065-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 6-HER-002-003-02

Quant Time: Jan 10 23:36:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	487326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	749944	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	670369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	310041	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	269754	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
35) Dibromofluoromethane	5.49	113	226928	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	8.71	98	889920	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	11.13	95	299131	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	

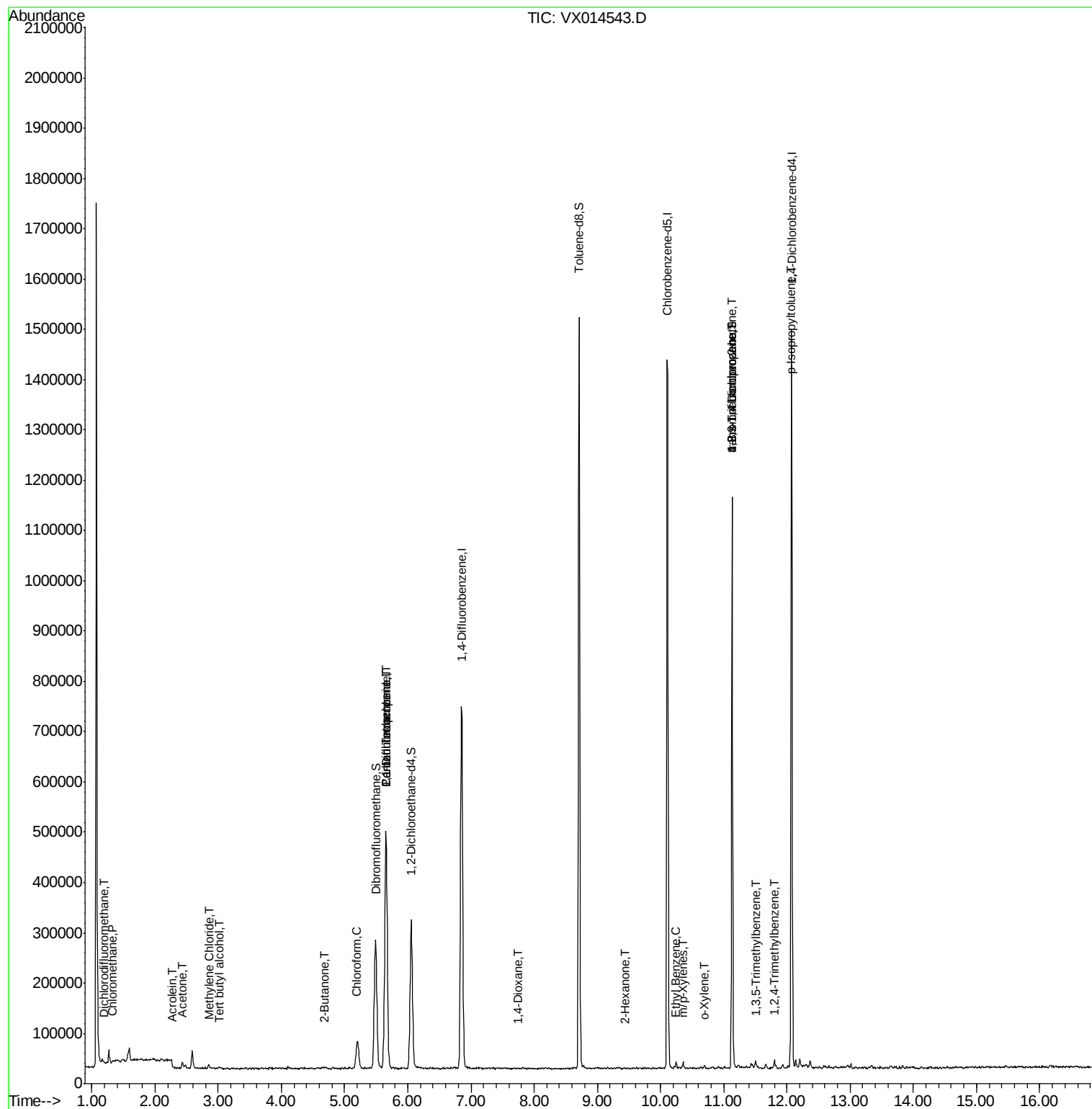
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	280	0.299	ug/l #	27
3) Chloromethane	1.32	50	1529	0.246	ug/l	97
6) Chloroethane	1.67	64	1546	Below Cal	#	70
11) Tert butyl alcohol	3.02	59	1883	1.658	ug/l #	62
13) Acrolein	2.28	56	217	0.238	ug/l	99
16) Acetone	2.43	43	17793	2.384	ug/l	93
20) Methylene Chloride	2.85	84	4879	0.891	ug/l #	80
25) 2-Butanone	4.67	43	2427	0.597	ug/l #	44
30) Chloroform	5.20	83	68699	7.914	ug/l	95
36) 1,1-Dichloropropene	5.65	75	31491	4.465	ug/l #	52
38) Carbon Tetrachloride	5.65	117	42348	6.525	ug/l #	19
49) 1,4-Dioxane	7.73	88	212	1.688	ug/l #	25
59) 2-Hexanone	9.43	43	1865	0.313	ug/l	75
67) Ethyl Benzene	10.25	91	7665	0.309	ug/l	94
68) m/p-Xylenes	10.36	106	3431	0.359	ug/l	96
69) o-Xylene	10.70	106	2339	0.256	ug/l	75
76) 1,2,3-Trichloropropane	11.13	75	146592	22.852	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.50	105	7087	0.392	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.13	75	146592	60.417	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.81	105	7876	0.431	ug/l	87
86) p-Isopropyltoluene	12.06	119	36271	1.841	ug/l	92
88) 1,4-Dichlorobenzene	12.09	146	2162	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	13.53	180	76	Below Cal		79
96) 1,2,3-Trichlorobenzene	14.02	180	344	Below Cal	#	52

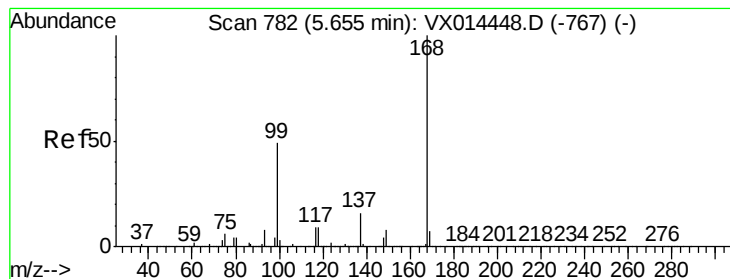
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011020\
Data File : VX014543.D
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ClientSampleId :
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Quant Time: Jan 10 23:36:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014543.D

Acq: 10 Jan 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

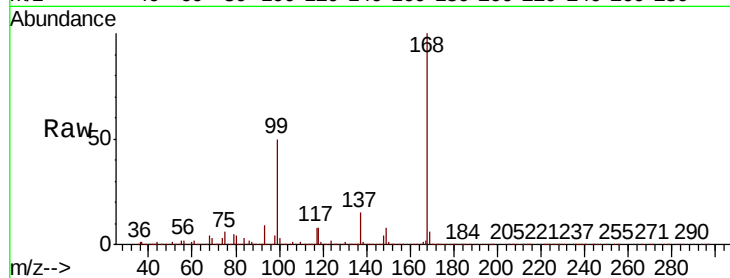
6-HER-002-003-02

Tot Ion:168 Resp: 487326

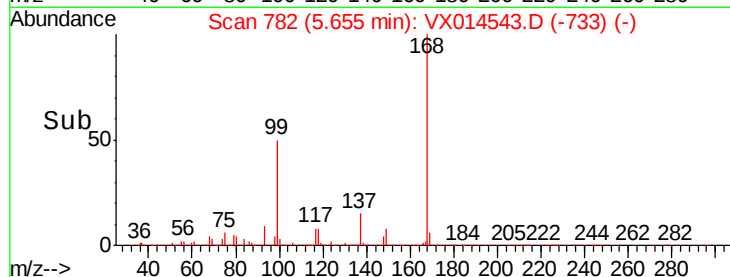
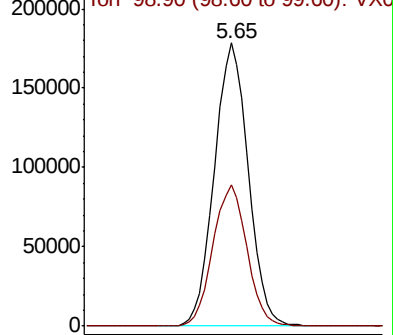
Ion Ratio Lower Upper

168 100

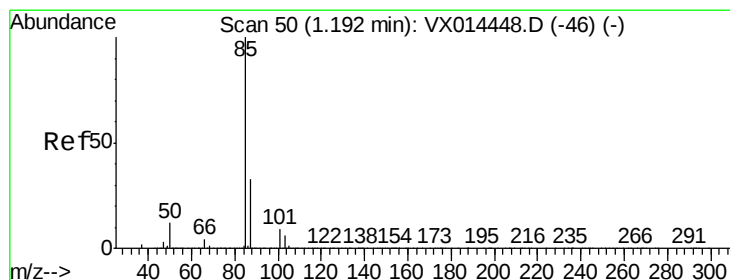
99 49.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VX014448.D (-767) (-)



Time-->



#2

Dichlorodifluoromethane

Concen: 0.299 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014543.D

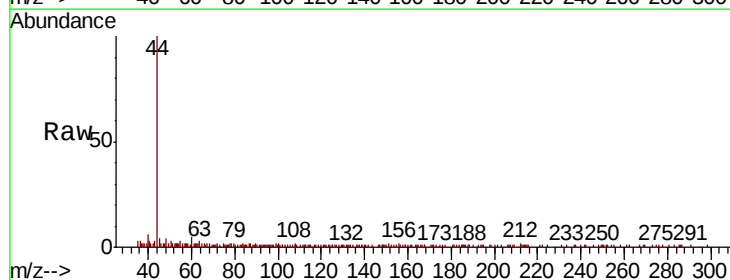
Acq: 10 Jan 2020 17:31

Tgt Ion: 85 Resp: 280

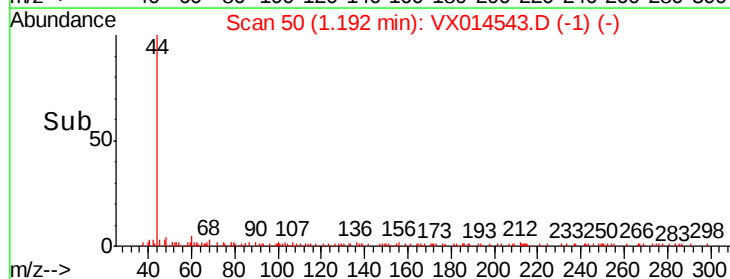
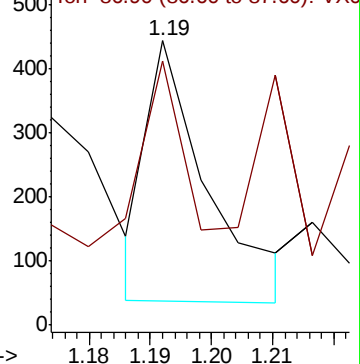
Ion Ratio Lower Upper

85 100

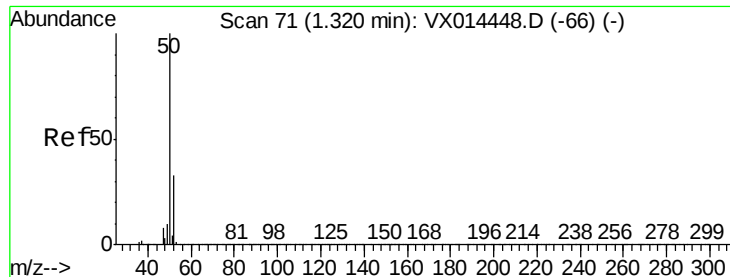
87 74.0 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX014448.D (-46) (-)



Time-->



#3

Chloromethane

Concen: 0.246 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014543.D

Acq: 10 Jan 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

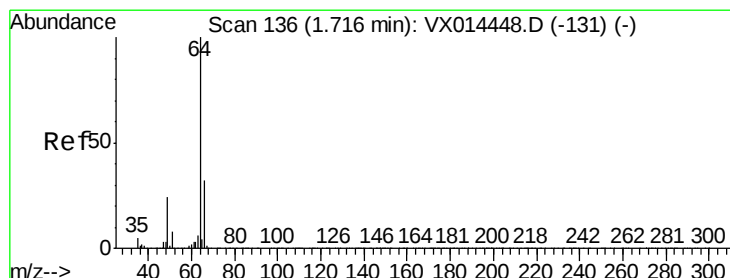
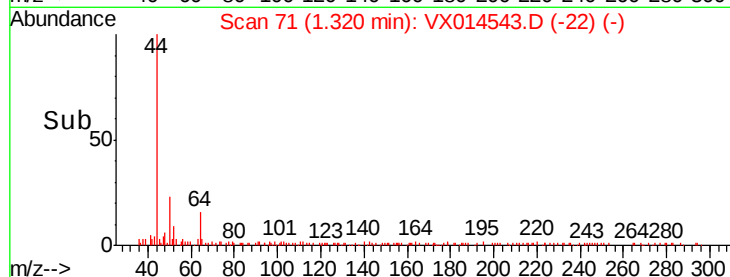
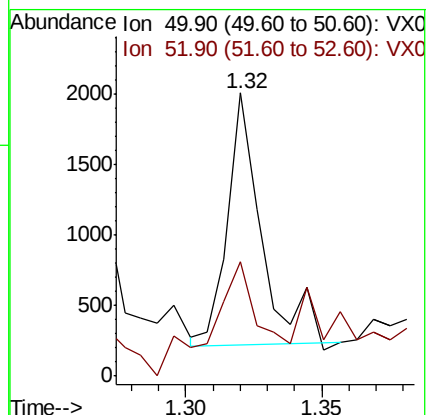
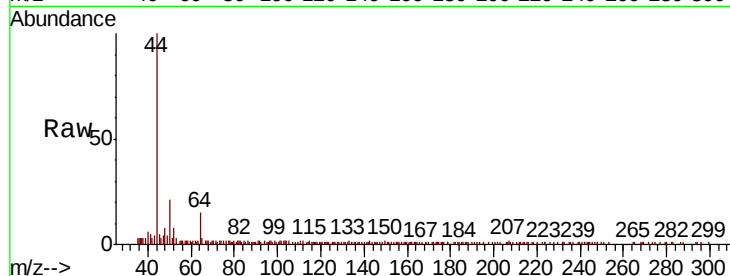
6-HER-002-003-02

Tot Ion: 50 Resp: 1529

Ion Ratio Lower Upper

50 100

52 34.5 26.1 39.1



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 129

Delta R.T. -0.04 min

Lab File: VX014543.D

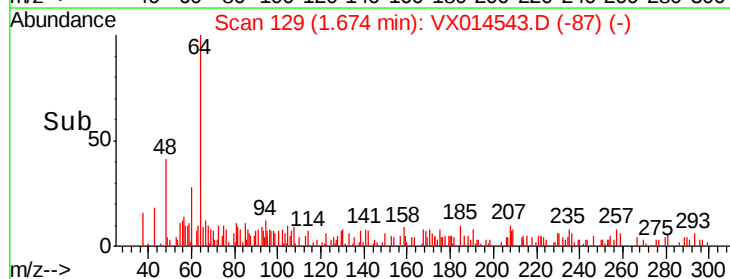
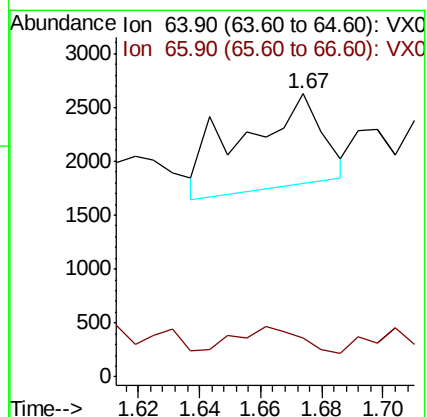
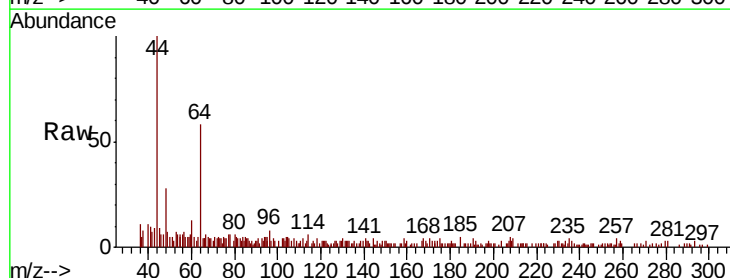
Acq: 10 Jan 2020 17:31

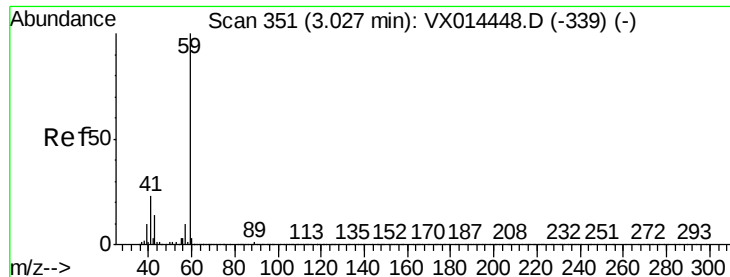
Tgt Ion: 64 Resp: 1546

Ion Ratio Lower Upper

64 100

66 15.2 25.3 37.9#



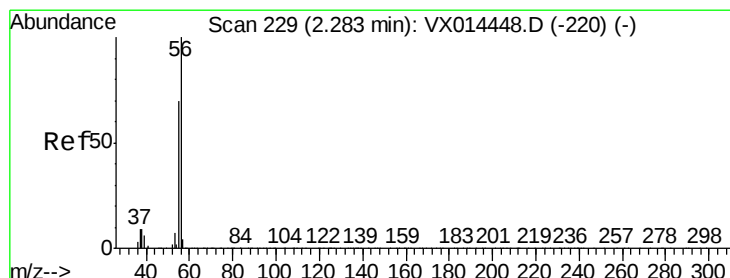
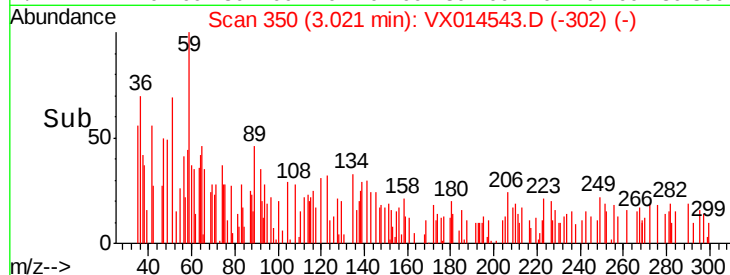
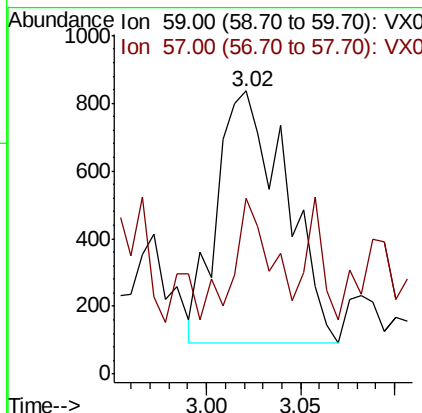
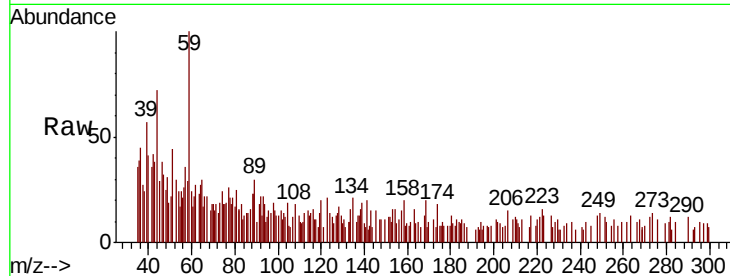


#11

Tert butyl alcohol
Concen: 1.658 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX014543.D
Acq: 10 Jan 2020 17:31

Instrument :
MSVOA_X
ClientSampleId :
6-HER-002-003-02

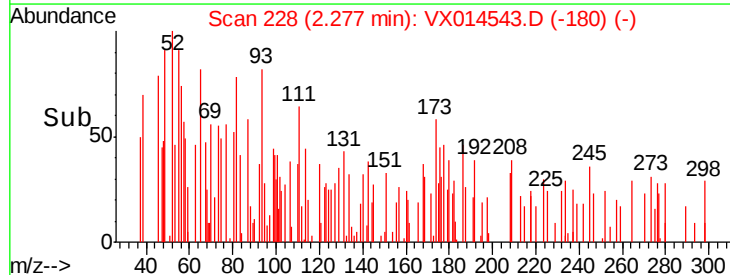
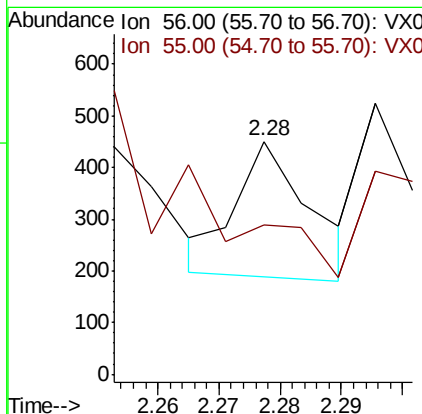
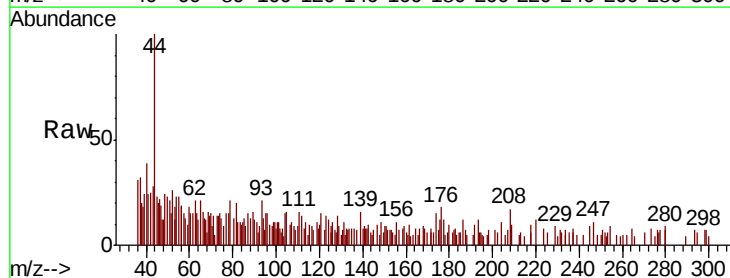
Tot Ion: 59 Resp: 1883
Ion Ratio Lower Upper
59 100
57 24.7 8.5 12.7#

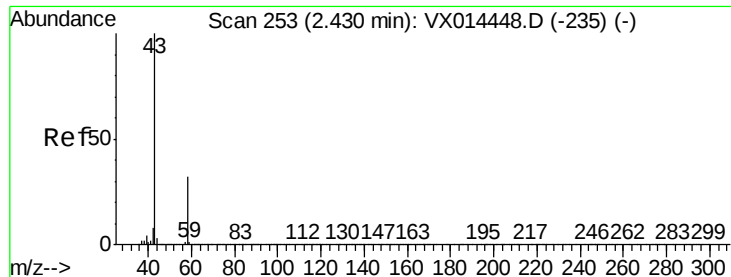


#13

Acrolein
Concen: 0.238 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX014543.D
Acq: 10 Jan 2020 17:31

Tgt Ion: 56 Resp: 217
Ion Ratio Lower Upper
56 100
55 69.6 55.0 82.6

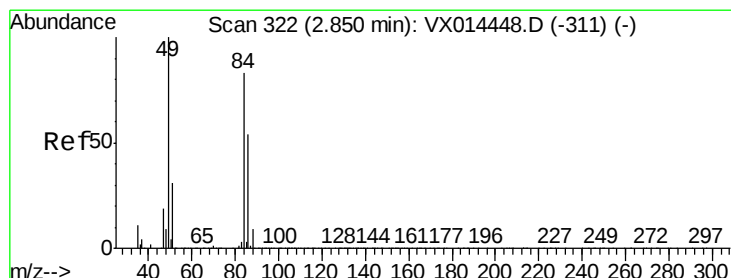
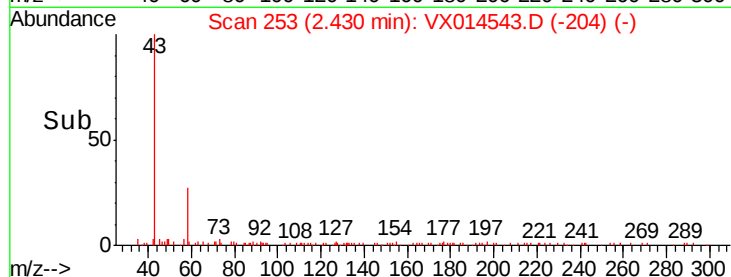
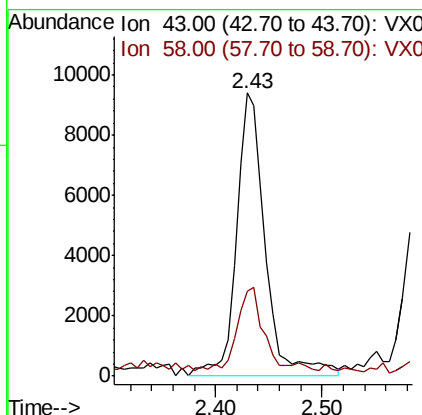
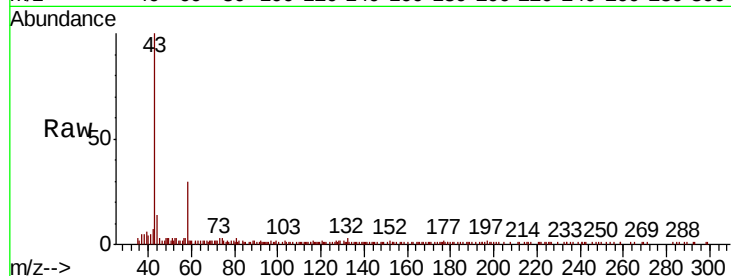




#16
Acetone
Concen: 2.384 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014543.D
Acq: 10 Jan 2020 17:31

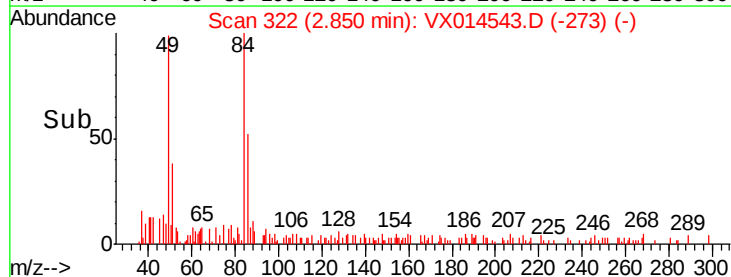
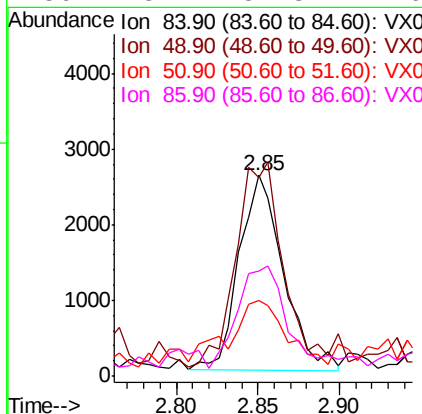
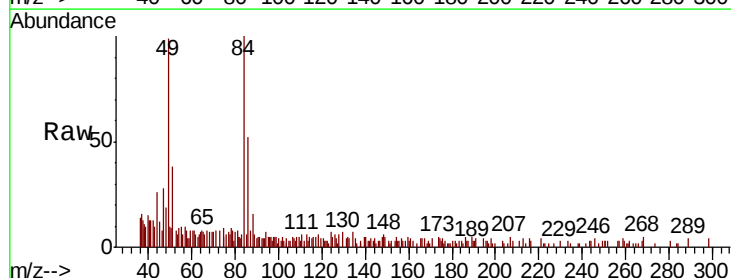
Instrument :
MSVOA_X
ClientSampleId :
6-HER-002-003-02

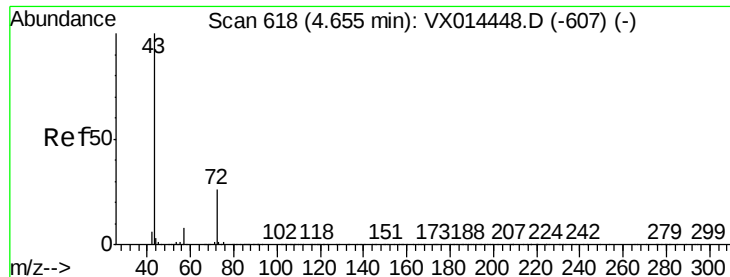
Tot Ion: 43 Resp: 17793
Ion Ratio Lower Upper
43 100
58 27.7 25.4 38.0



#20
Methylene Chloride
Concen: 0.891 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014543.D
Acq: 10 Jan 2020 17:31

Tgt Ion: 84 Resp: 4879
Ion Ratio Lower Upper
84 100
49 97.5 95.8 143.8
51 32.2 30.2 45.4
86 45.4 51.8 77.6#





#25

2-Butanone

Concen: 0.597 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX014543.D

Acq: 10 Jan 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

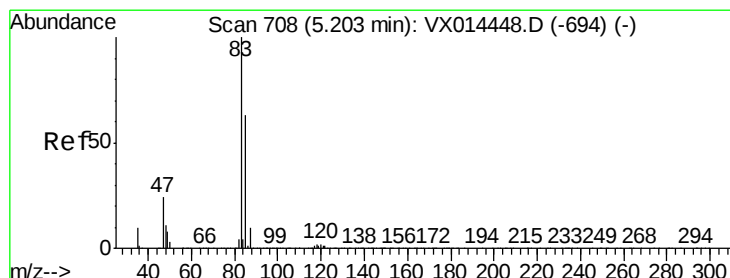
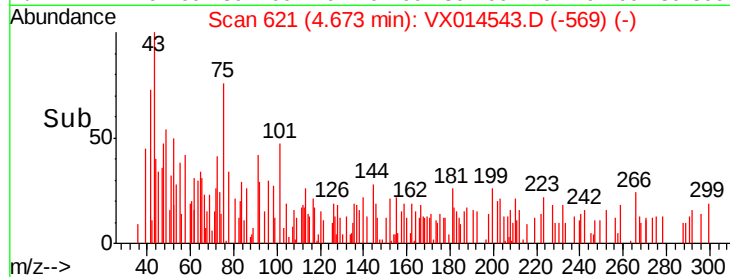
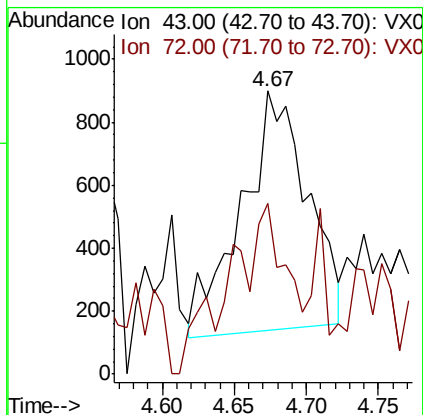
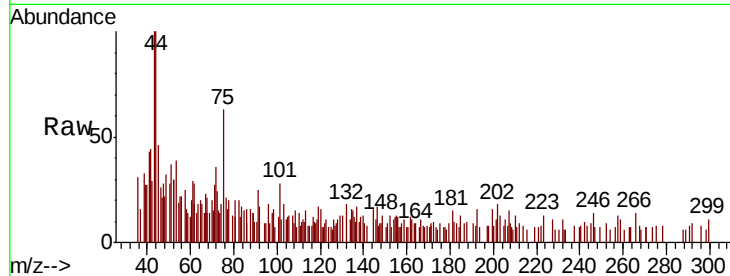
6-HER-002-003-02

Tot Ion: 43 Resp: 2427

Ion Ratio Lower Upper

43 100

72 54.4 20.6 31.0#



#30

Chloroform

Concen: 7.914 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX014543.D

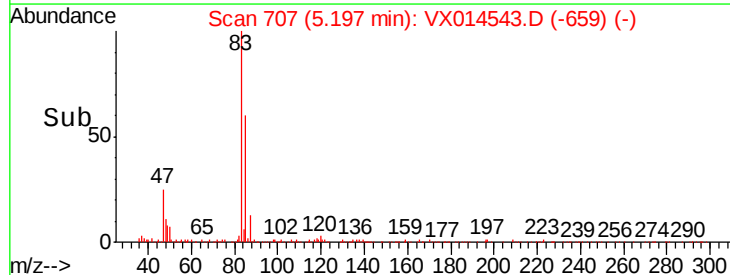
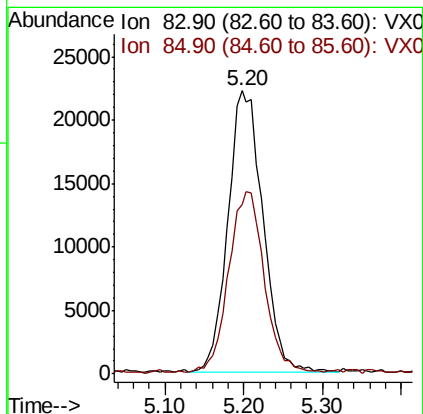
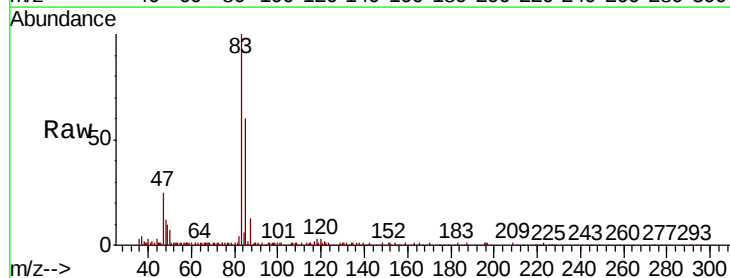
Acq: 10 Jan 2020 17:31

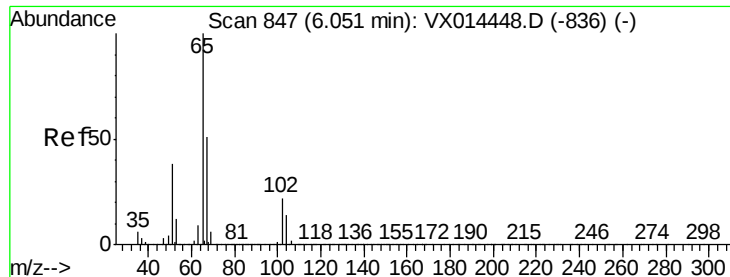
Tgt Ion: 83 Resp: 68699

Ion Ratio Lower Upper

83 100

85 59.1 50.6 75.8

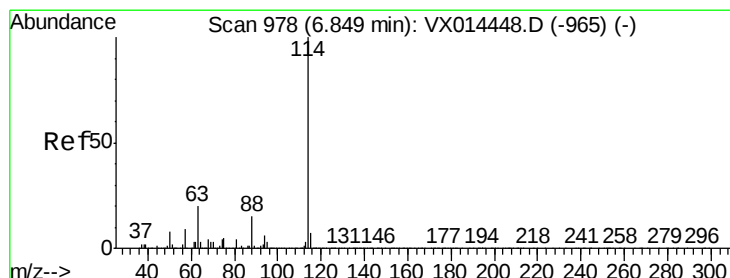
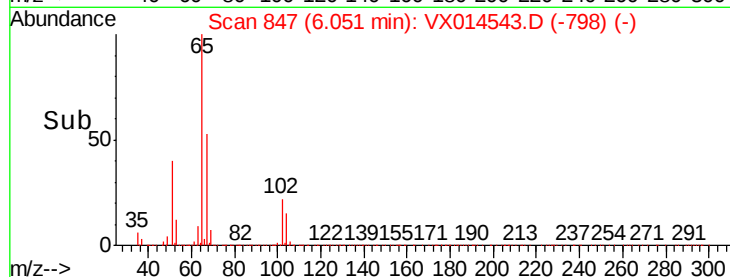
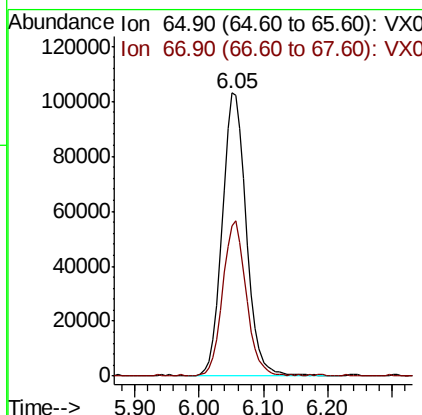
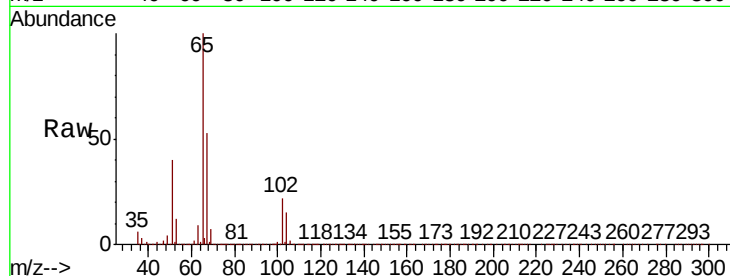




#33
 1,2-Dichloroethane-d4
 Concen: 49.585 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014543.D
 Acq: 10 Jan 2020 17:31

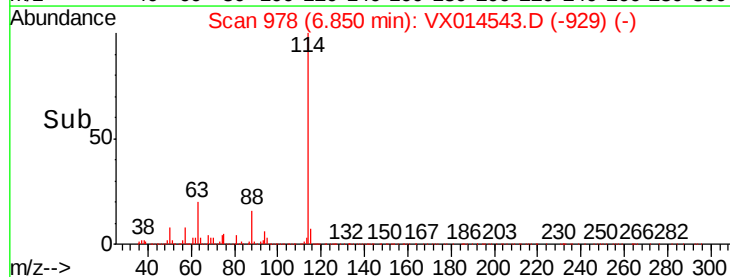
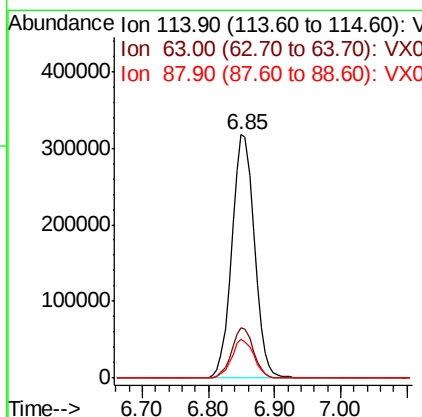
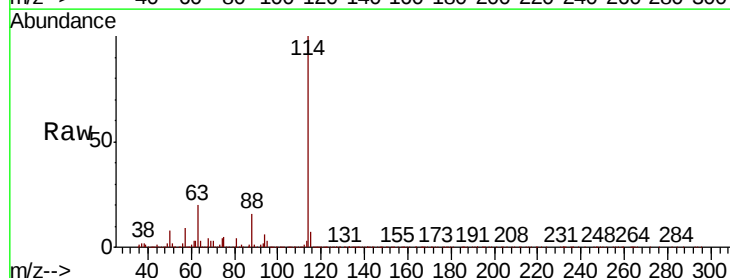
Instrument :
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 6-HER-002-003-02

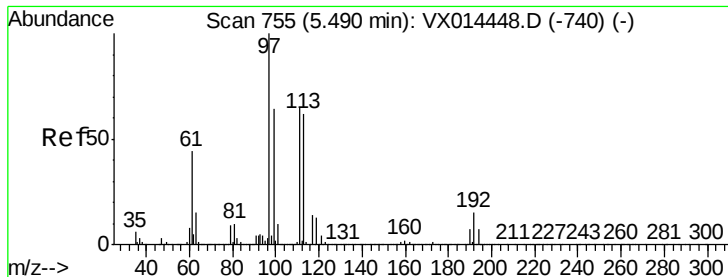
Tot Ion: 65 Resp: 269754
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014543.D
 Acq: 10 Jan 2020 17:31

Tgt Ion: 114 Resp: 749944
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.6
 88 15.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.987 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014543.D

Acq: 10 Jan 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

6-HER-002-003-02

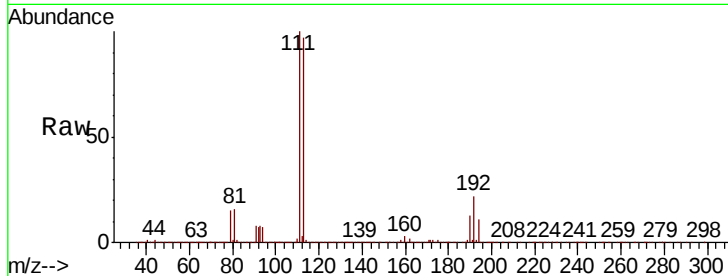
Tot Ion:113 Resp: 226928

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

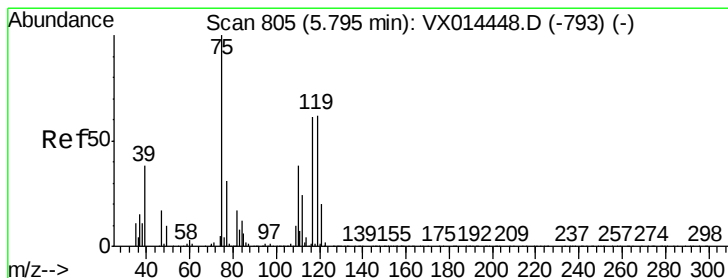
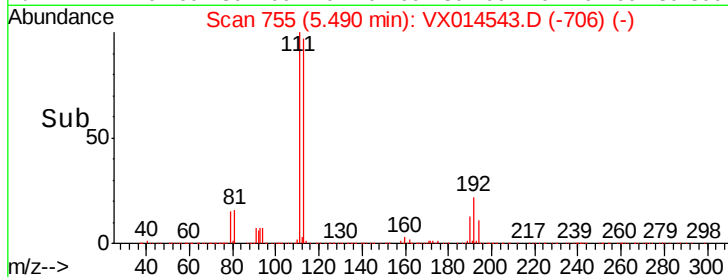
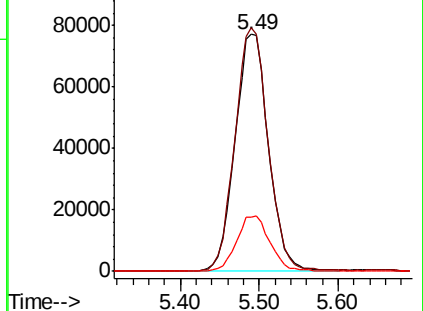
192 23.3 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.465 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014543.D

Acq: 10 Jan 2020 17:31

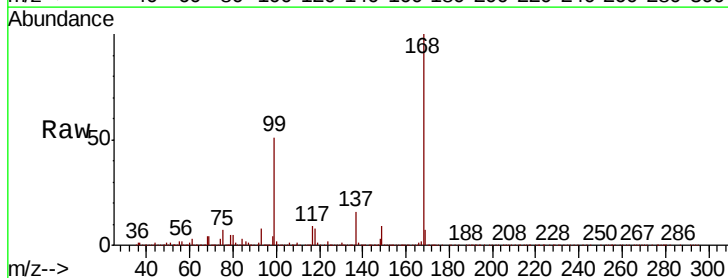
Tgt Ion: 75 Resp: 31491

Ion Ratio Lower Upper

75 100

110 10.6 18.6 55.8#

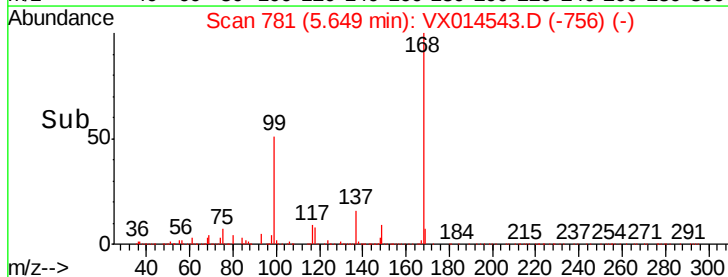
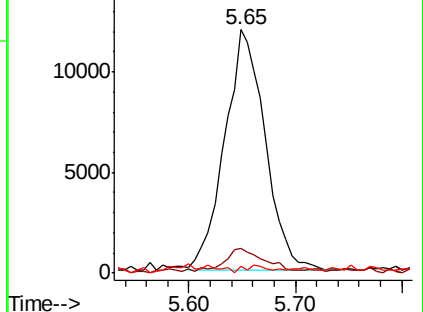
77 2.2 24.5 36.7#

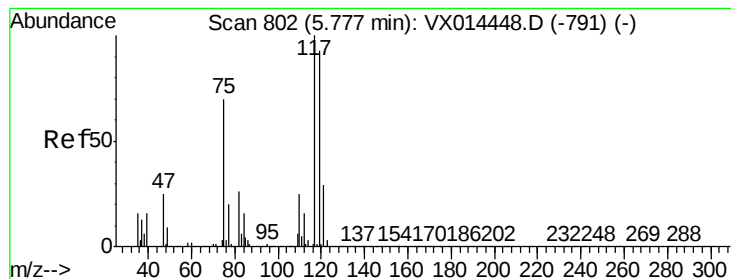


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.525 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014543.D

Acq: 10 Jan 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

6-HER-002-003-02

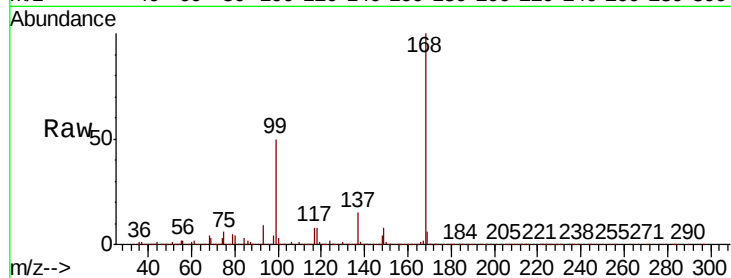
Tot Ion:117 Resp: 42348

Ion Ratio Lower Upper

117 100

119 6.6 73.8 110.8#

121 0.5 23.4 35.0#

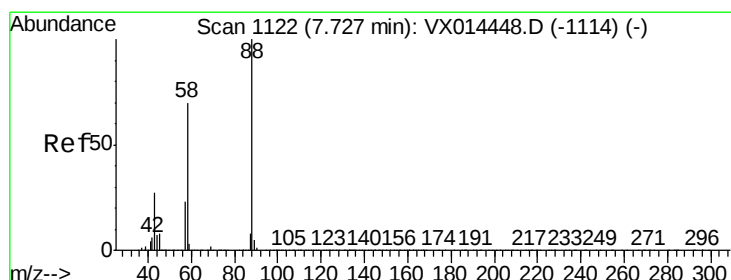
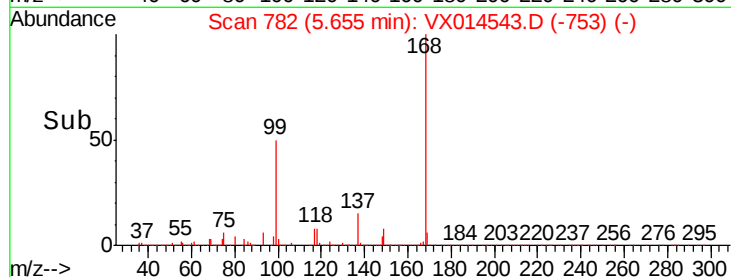
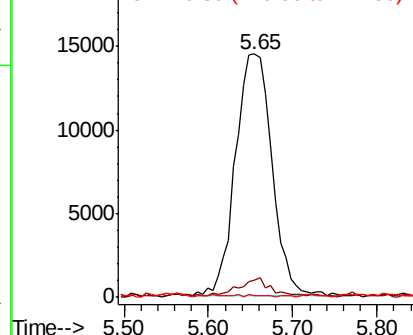


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.688 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX014543.D

Acq: 10 Jan 2020 17:31

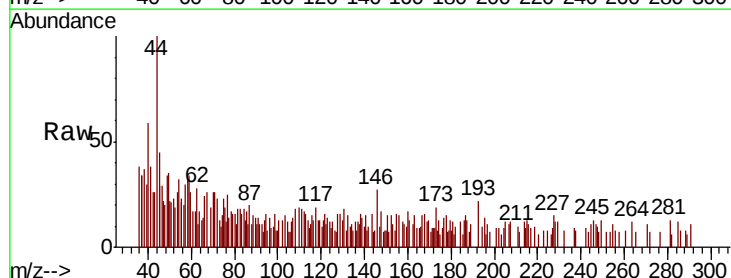
Tgt Ion: 88 Resp: 212

Ion Ratio Lower Upper

88 100

43 153.8 27.4 41.0#

58 81.1 57.1 85.7

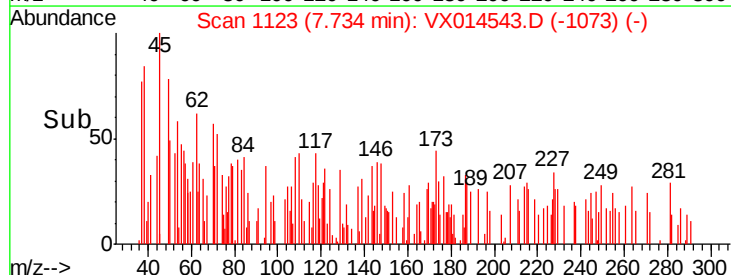
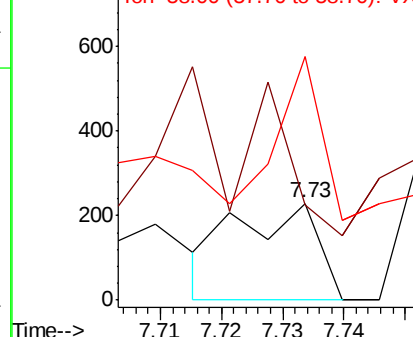


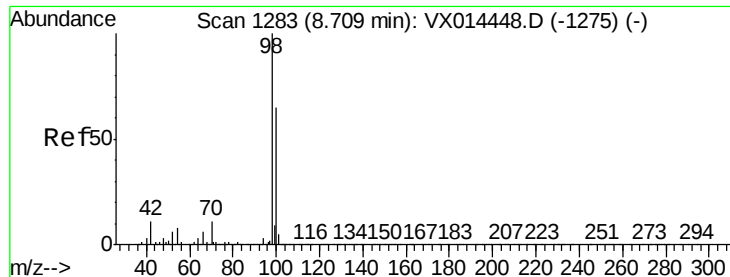
Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.514 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014543.D

Acq: 10 Jan 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

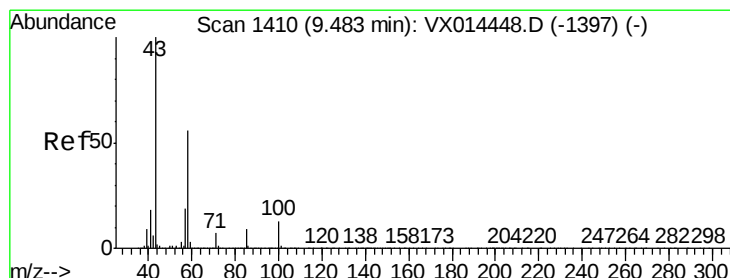
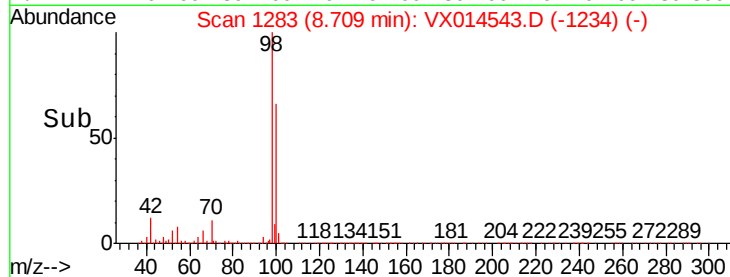
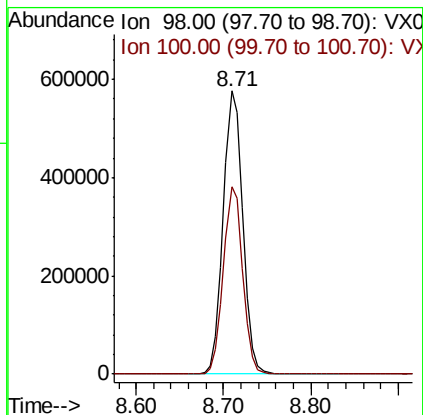
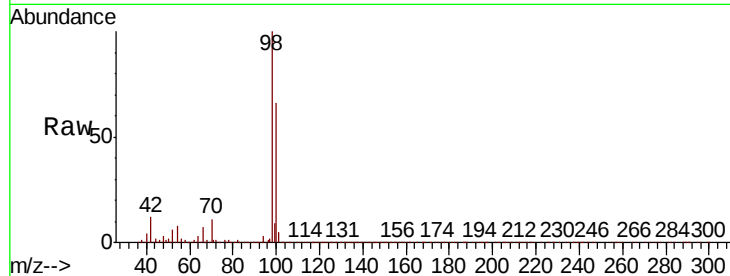
6-HER-002-003-02

Tot Ion: 98 Resp: 889920

Ion Ratio Lower Upper

98 100

100 65.3 53.2 79.8



#59

2-Hexanone

Concen: 0.313 ug/l

RT: 9.43 min Scan# 1402

Delta R.T. -0.05 min

Lab File: VX014543.D

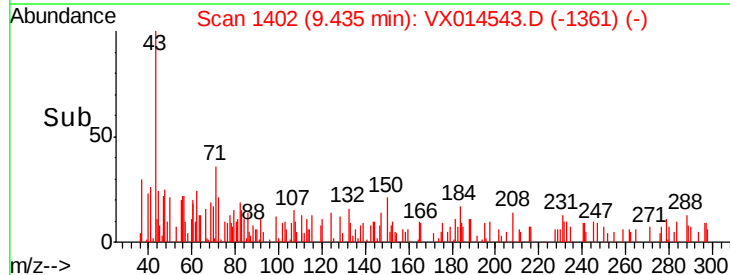
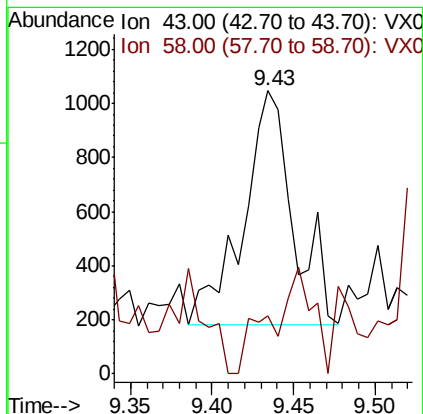
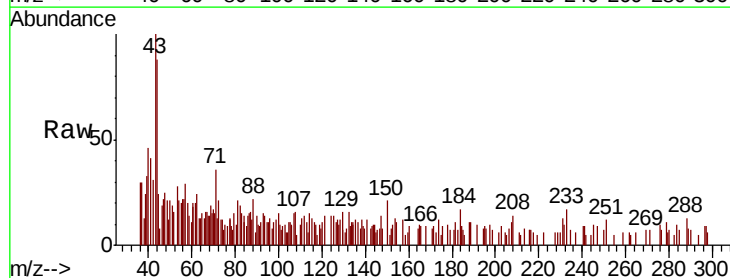
Acq: 10 Jan 2020 17:31

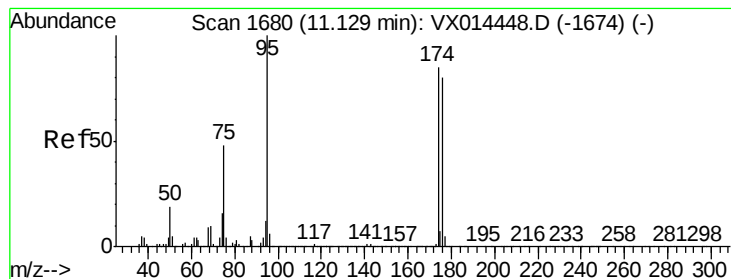
Tgt Ion: 43 Resp: 1865

Ion Ratio Lower Upper

43 100

58 37.8 27.9 83.7





#62

4-Bromofluorobenzene

Concen: 46.252 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014543.D

Acq: 10 Jan 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

6-HER-002-003-02

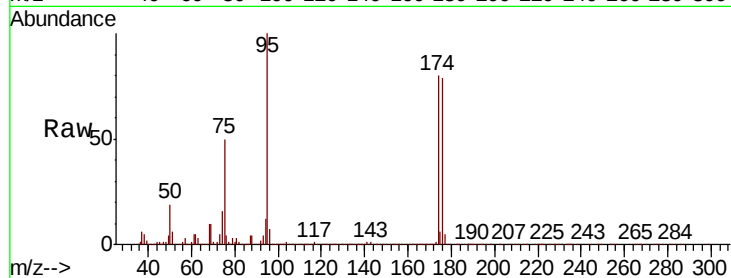
Tot Ion: 95 Resp: 299131

Ion Ratio Lower Upper

95 100

174 88.7 0.0 180.8

176 87.7 0.0 172.8

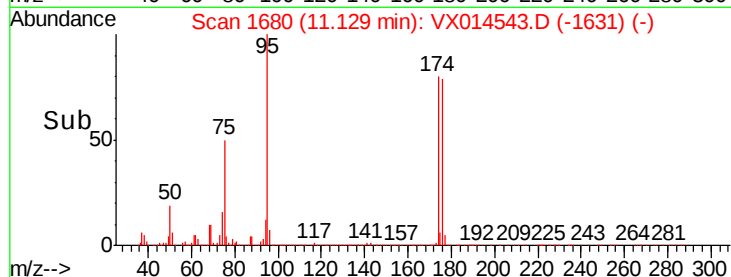


Abundance Ion 94.90 (94.60 to 95.60): VX014543.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX014543.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX014543.D (-1674) (-)

Time-->



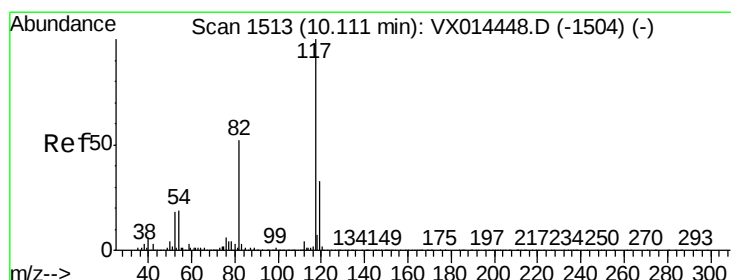
Abundance

Ion 94.90 (94.60 to 95.60): VX014543.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX014543.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX014543.D (-1674) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014543.D

Acq: 10 Jan 2020 17:31

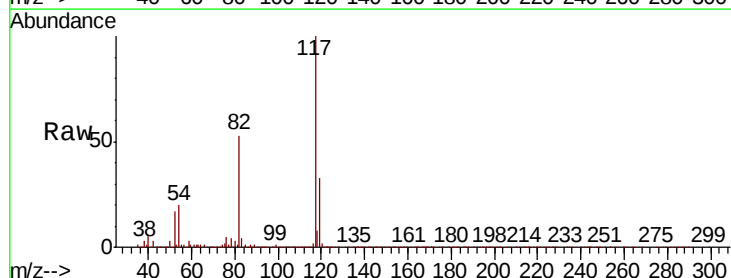
Tgt Ion: 117 Resp: 670369

Ion Ratio Lower Upper

117 100

82 53.2 41.8 62.6

119 32.7 26.2 39.4

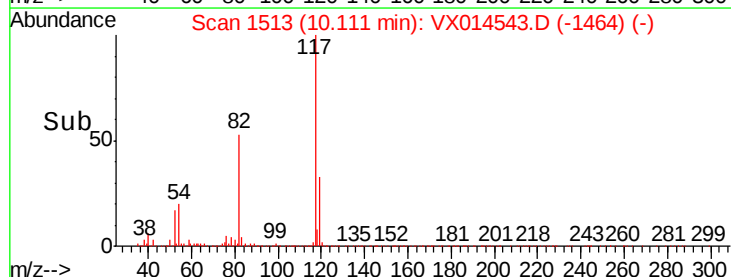


Abundance Ion 116.90 (116.60 to 117.60): VX014543.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX014543.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014543.D (-1464) (-)

Time-->



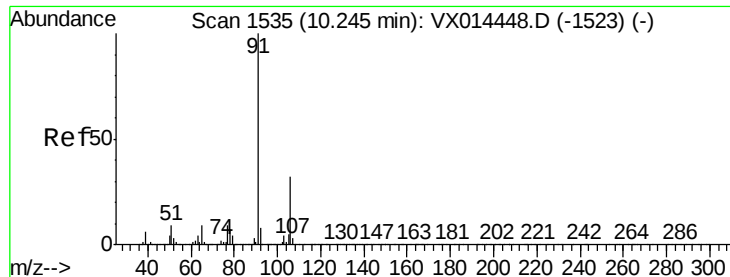
Abundance

Ion 116.90 (116.60 to 117.60): VX014543.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX014543.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014543.D (-1464) (-)

Time-->



#67

Ethyl Benzene

Concen: 0.309 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014543.D

Acq: 10 Jan 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

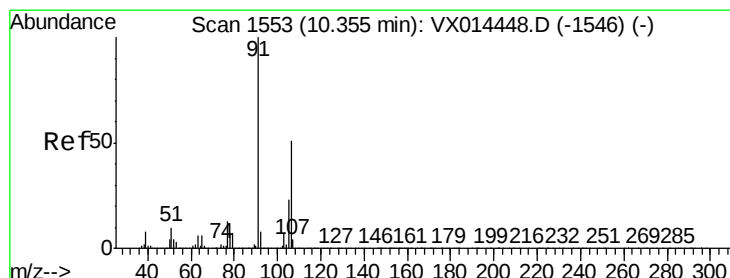
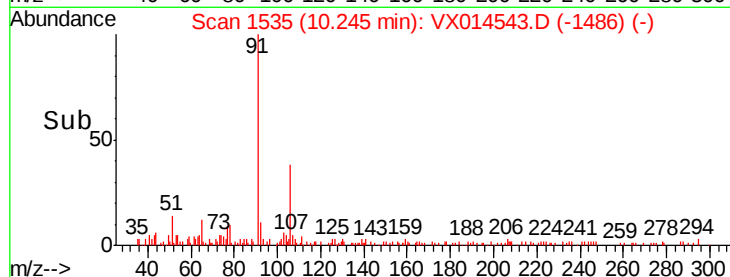
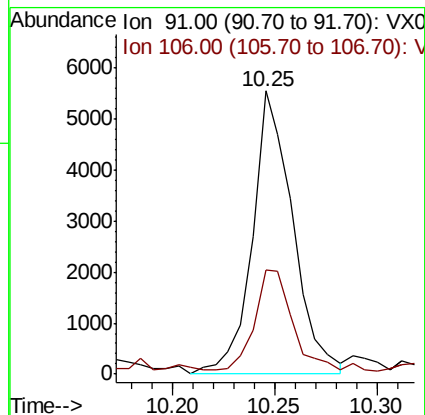
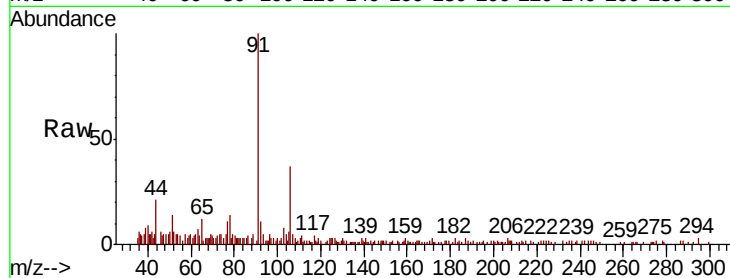
6-HER-002-003-02

Tot Ion: 91 Resp: 7665

Ion Ratio Lower Upper

91 100

106 35.3 25.6 38.4



#68

m/p-Xylenes

Concen: 0.359 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014543.D

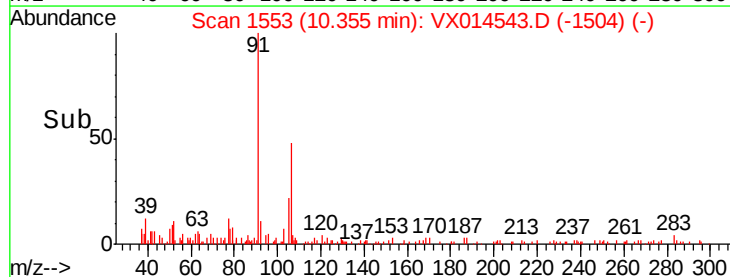
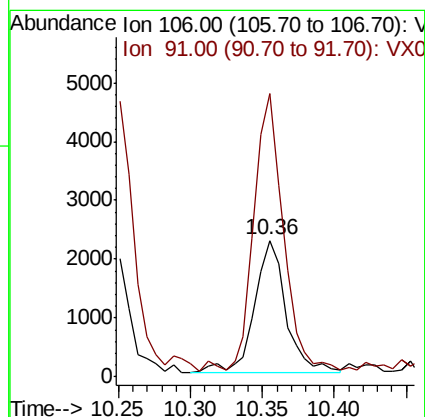
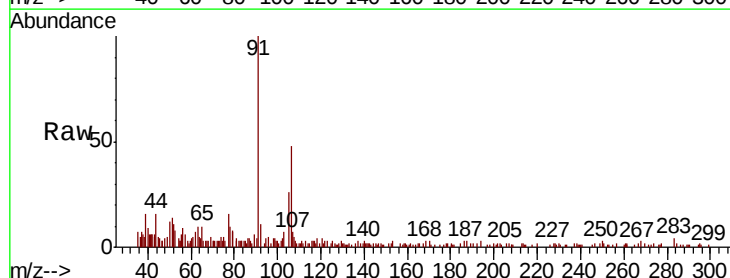
Acq: 10 Jan 2020 17:31

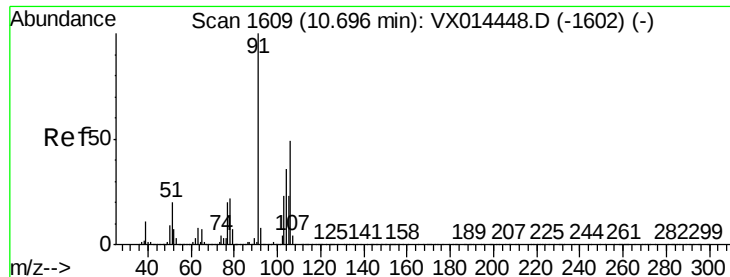
Tgt Ion: 106 Resp: 3431

Ion Ratio Lower Upper

106 100

91 190.8 157.4 236.0

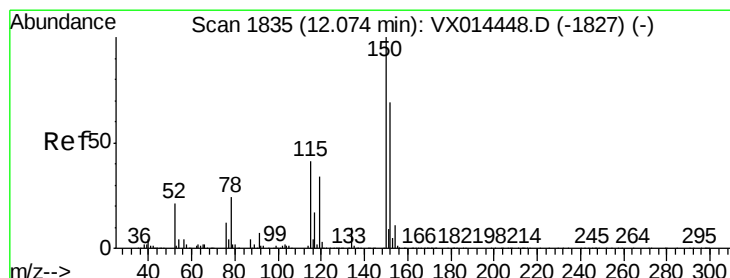
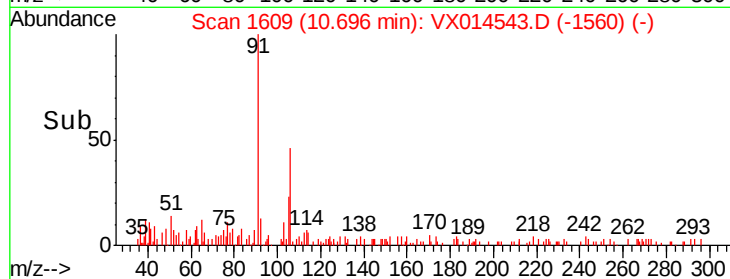
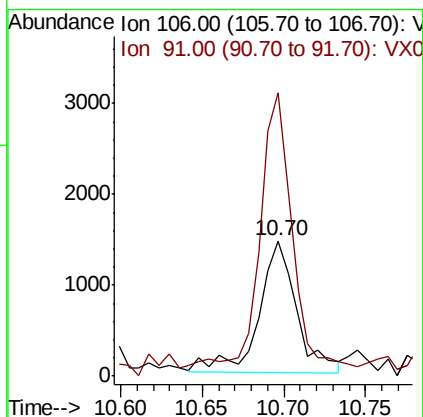
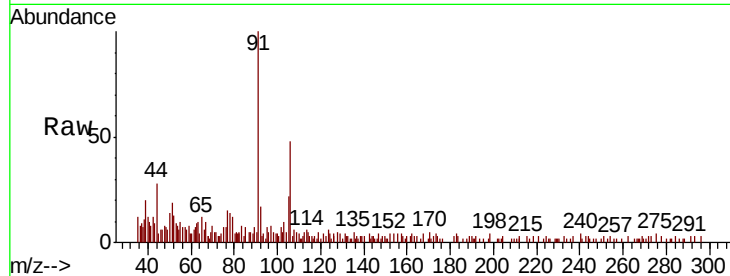




#69
o-Xylene
Concen: 0.256 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014543.D
Acq: 10 Jan 2020 17:31

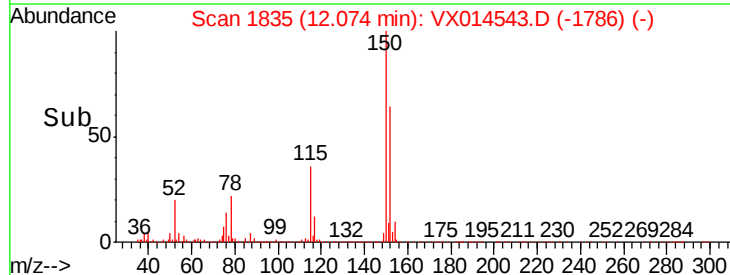
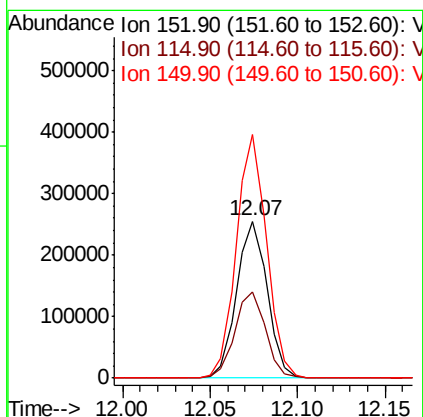
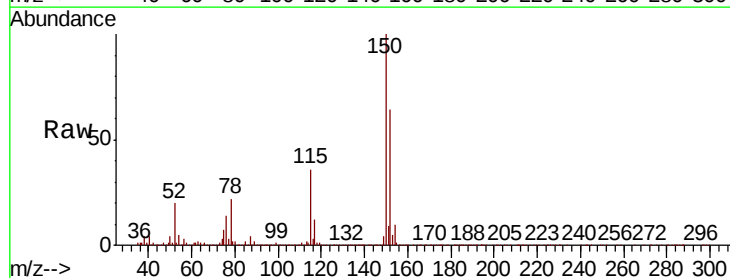
Instrument :
MSVOA_X
ClientSampleId :
6-HER-002-003-02

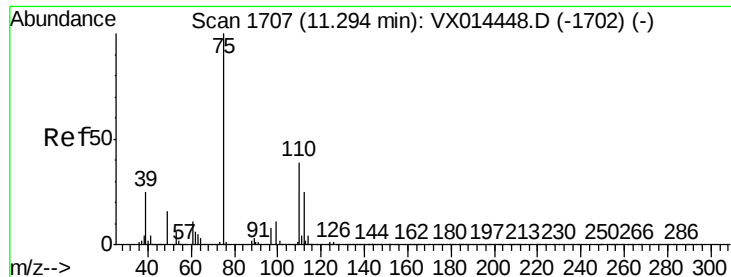
Tot Ion:106 Resp: 2339
Ion Ratio Lower Upper
106 100
91 171.4 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014543.D
Acq: 10 Jan 2020 17:31

Tgt Ion:152 Resp: 310041
Ion Ratio Lower Upper
152 100
115 55.6 39.5 118.3
150 154.4 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 22.852 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014543.D

Acq: 10 Jan 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

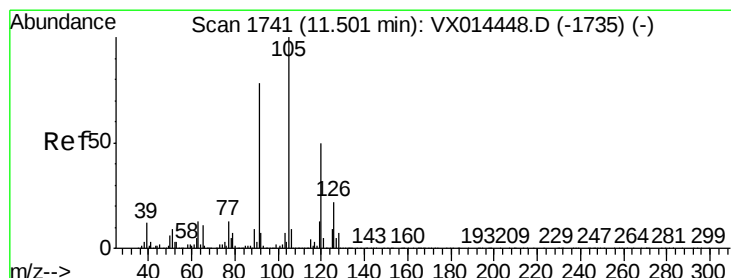
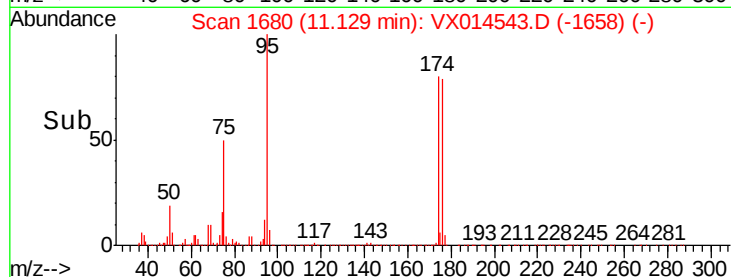
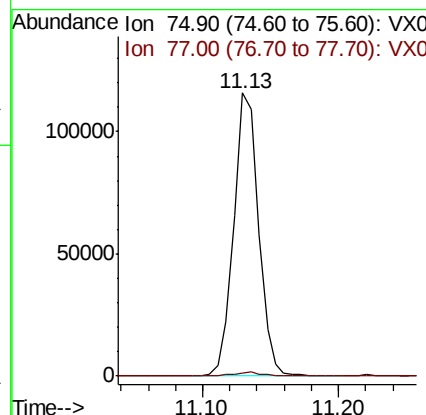
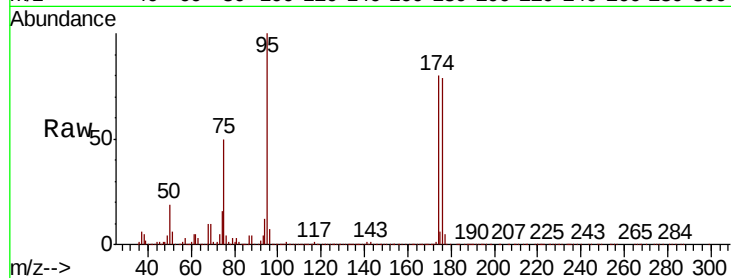
6-HER-002-003-02

Tot Ion: 75 Resp: 146592

Ion Ratio Lower Upper

75 100

77 1.4 21.9 65.7#



#80

1,3,5-Trimethylbenzene

Concen: 0.392 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014543.D

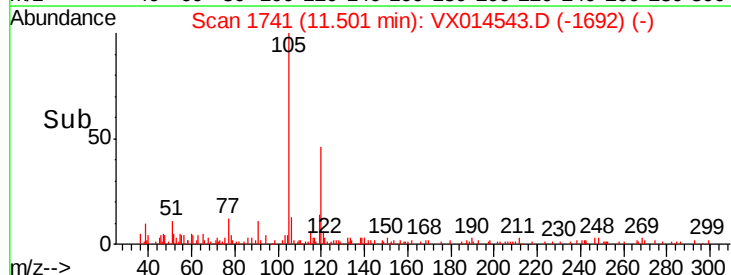
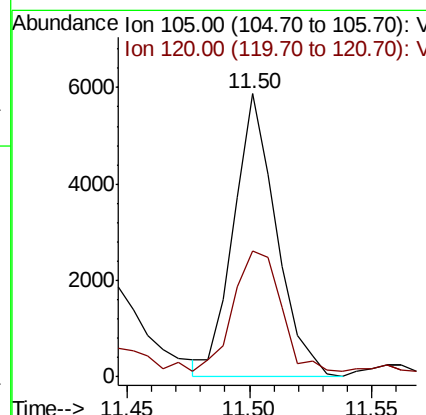
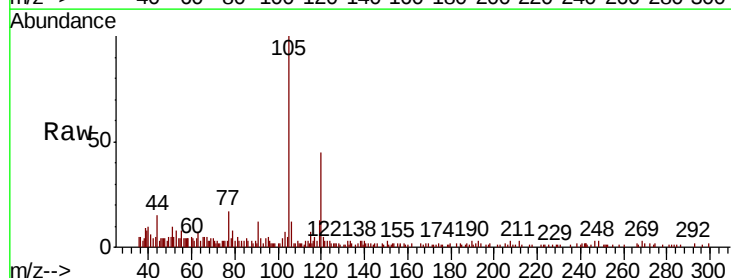
Acq: 10 Jan 2020 17:31

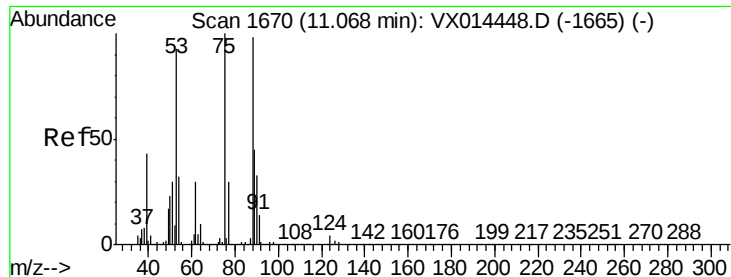
Tgt Ion:105 Resp: 7087

Ion Ratio Lower Upper

105 100

120 47.5 25.2 75.6

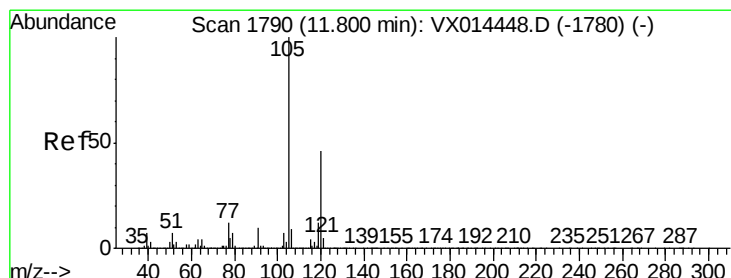
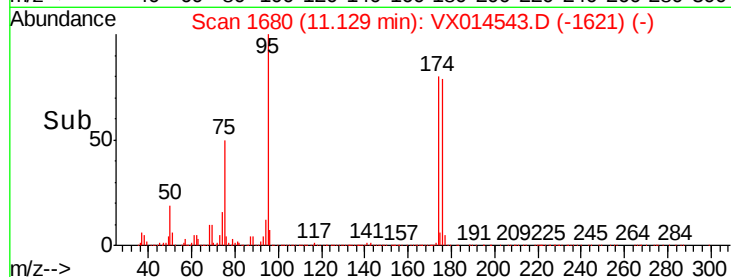
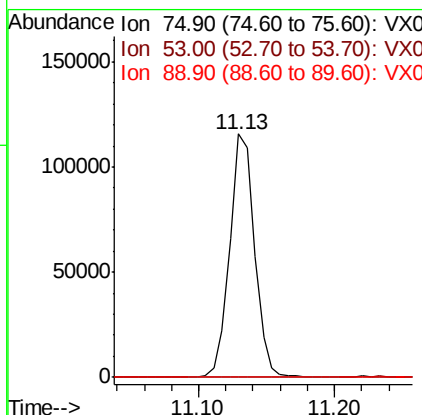
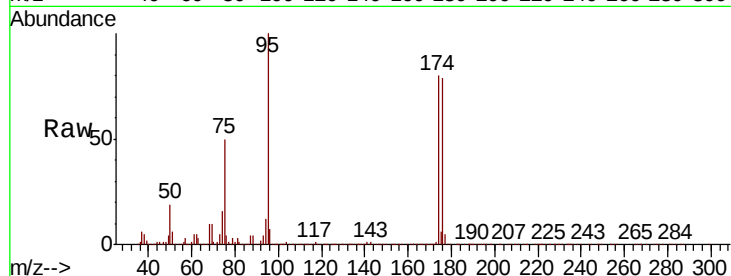




#81
trans-1,4-Dichloro-2-butene
Concen: 60.417 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014543.D
Acq: 10 Jan 2020 17:31

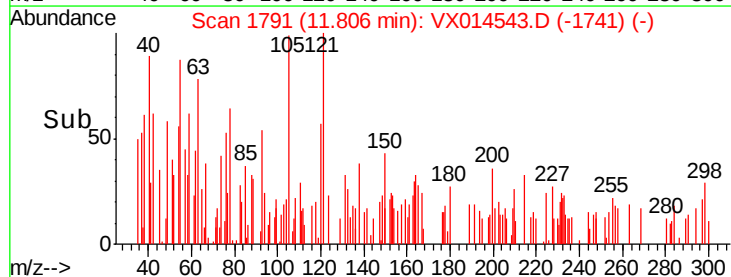
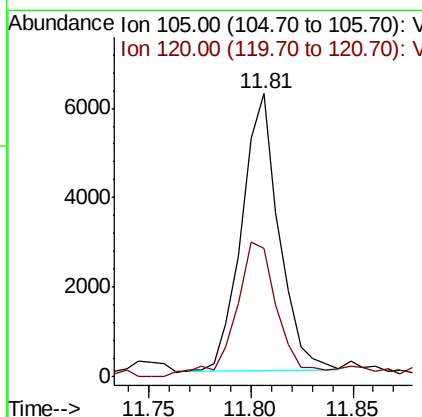
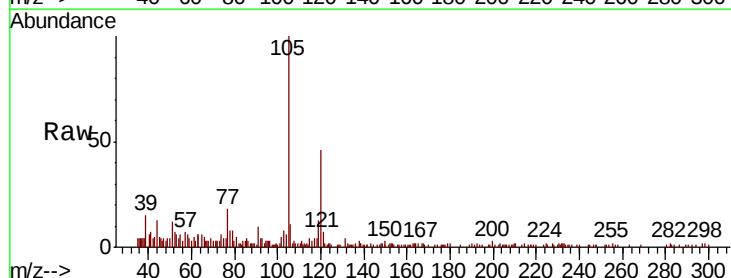
Instrument :
MSVOA_X
ClientSampleId :
6-HER-002-003-02

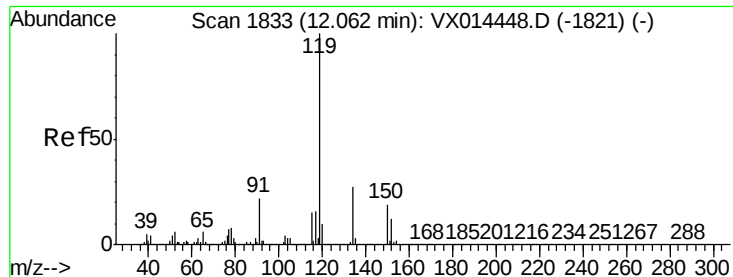
Tot Ion: 75 Resp: 146592
Ion Ratio Lower Upper
75 100
53 0.0 74.8 112.2#
89 0.1 36.3 54.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.431 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX014543.D
Acq: 10 Jan 2020 17:31

Tgt Ion: 105 Resp: 7876
Ion Ratio Lower Upper
105 100
120 54.8 23.1 69.3

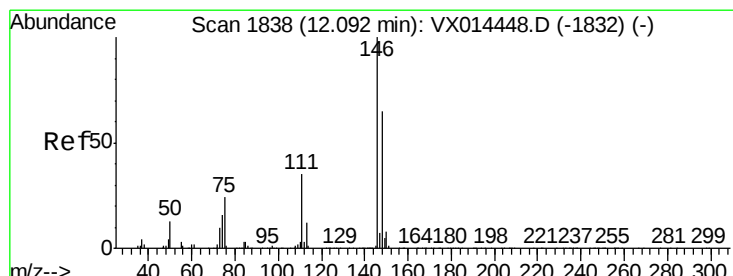
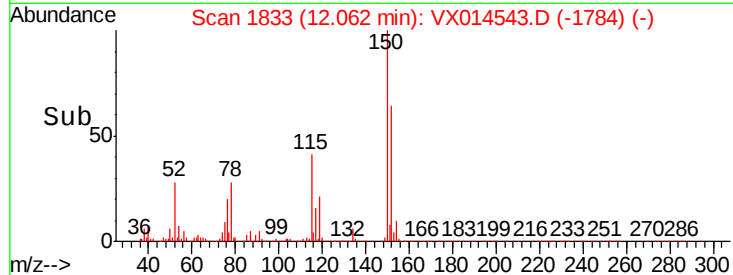
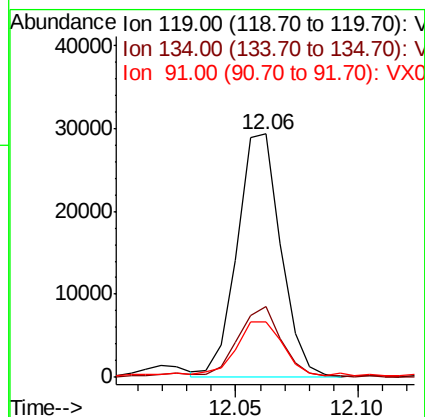
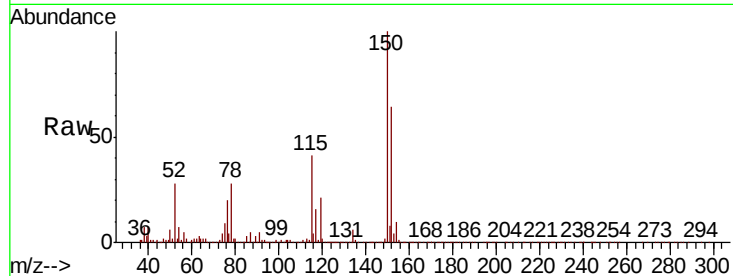




#86
p-Isopropyltoluene
Concen: 1.841 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX014543.D
Acq: 10 Jan 2020 17:31

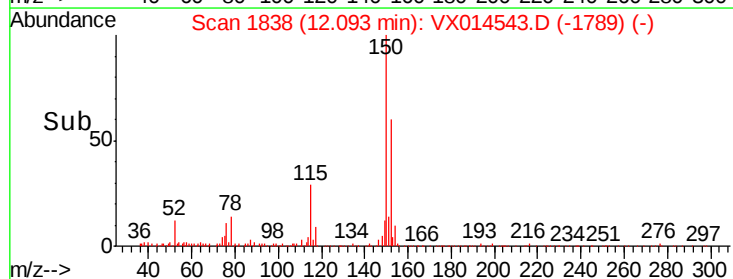
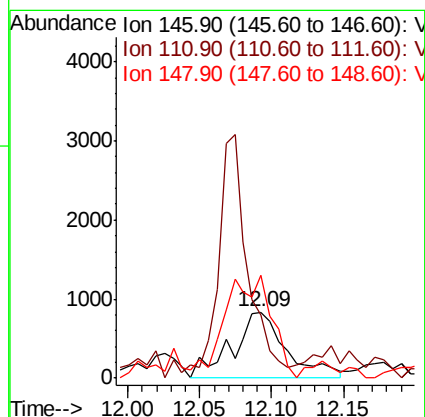
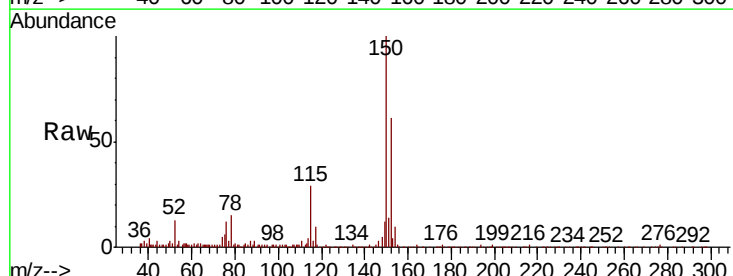
Instrument :
MSVOA_X
ClientSampleId :
6-HER-002-003-02

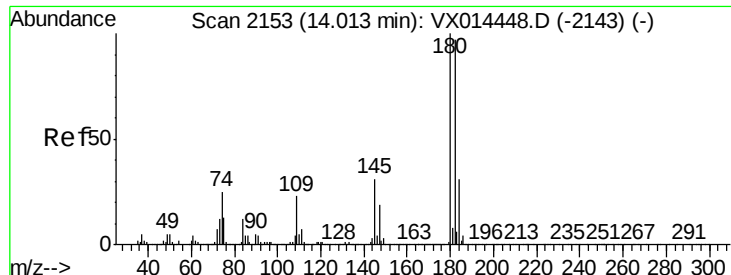
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.5	13.5	40.4
91	26.8	11.1	33.3



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.09 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VX014543.D
Acq: 10 Jan 2020 17:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	200.0	18.1	54.1#
148	135.0	32.1	96.3#

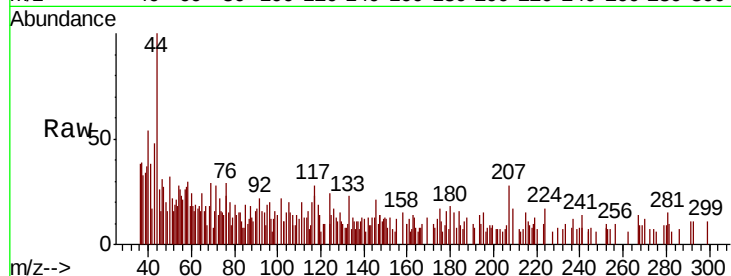




#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX014543.D
 Acq: 10 Jan 2020 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 6-HER-002-003-02

Tot Ion	Ratio	Lower	Upper
180	100		
182	112.5	47.9	143.6
145	108.1	14.8	44.3#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

